

## General Description

CRYLCOAT® 4629-0 is a Primid® superdurable resin designed for one-shot matte systems to produce powder coatings with 60° gloss between 20 and 40%, when combined with CRYLCOAT® 4645-2. Coatings based on this system exhibit excellent outdoor durability.

(Formerly CRYLCOAT® E 04229)

Preliminary Technical Data Sheet

## Saturated Superdurable Polyester Resin

### Product Specification

|                                      | Limits        |
|--------------------------------------|---------------|
| Appearance                           | Pale granules |
| Brookfield Viscosity @ 200 °C, mPa.s | Approx. 3500  |
| Color, b-value                       | Max. 15       |
| Acid value (mg KOH/g)                | Approx. 30    |

### Other Properties

|                       | Typical value |
|-----------------------|---------------|
| Glass transition (°C) | Approx. 57    |

### Starting Formulation

| Component             | Weight (%) |
|-----------------------|------------|
| CRYLCOAT® 4629-0      | 37.4       |
| CRYLCOAT® 4645-2      | 37.4       |
| Primid® XL 552        | 5.6        |
| Barium sulfate        | 14.8       |
| Pigment RAL 8014      | 3.5        |
| MODAFLOW® Powder 6000 | 1.0        |
| Benzoin               | 0.3        |

### Extrusion & Application Conditions

| Extrusion   |                                   |
|-------------|-----------------------------------|
| Extruder    | Twin screw                        |
| Speed       | 300 rpm                           |
| Torque      | 70 to 80 %                        |
| Temperature | 85 to 100 °C                      |
| Application |                                   |
| Application | 60 micrometer film on steel panel |
| Spray Gun   | Output voltage: 60 kV             |
| Curing      | 10 min @ 200 °C metal temperature |

### Film Properties

| Test            | Result |
|-----------------|--------|
| Gloss @ 60° (%) | 20-40  |

### Shelf Life

Under normal storage conditions ( $\leq 30^{\circ}\text{C}$ ), the shelf life of the resin will be 24 months from date of manufacturing. For product older than 24 months, it is recommended to check the acid value and the viscosity every year.

### Safety & Environmental Protection

For more information, please refer to the Material Safety Data Sheet.

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